

FIG. 1

FIG. 2 is a flowchart illustrating a process for initializing a probe utility application. The process begins with the 'Initiate Probe Utility Application' block (200), which leads to a decision block 'Initial Installation?' (202). If the answer is 'yes', the process proceeds to 'Initiate Parallel Registry Segment Thread' (201), which then branches into four parallel initialization functions: 'Initialize HKEY_CLASSES_ROOT Mapping Function' (202), 'Initialize HKEY_CURRENT_USER Mapping Function' (203), 'Initialize HKEY_LOCAL_MACHINE Mapping Function' (204), and 'Initialize HKEY_USERS Mapping Function' (205). These functions converge and lead to 'Store Results of Mapping Functions to Local ASC II File for Physical Storage' (206), followed by 'Initiate Maintenance Polling Thread' (207). If the answer to 'Initial Installation?' is 'no', the process proceeds to 'Maintenance Polling Thread Initiated' (210), which then branches into four parallel loading functions: 'A) Load ASC II File for Classes into Memory' (211), 'B) Load ASC II File for Current into Memory' (212), 'C) Load ASC II File for Local Machine into Memory' (213), and 'D) Load ASC II File for Users into Memory' (214). These functions converge and lead to 'Initialize File Mapping Query Functions A, B, C, D' (215), followed by 'Registry Footprint Modification' (216). A decision block 'Signal Probe Alert' (218) follows. If the answer is 'yes', the process leads to 'Continue Mapping Query' (217). If the answer is 'no', the process leads to 'To block 215'.

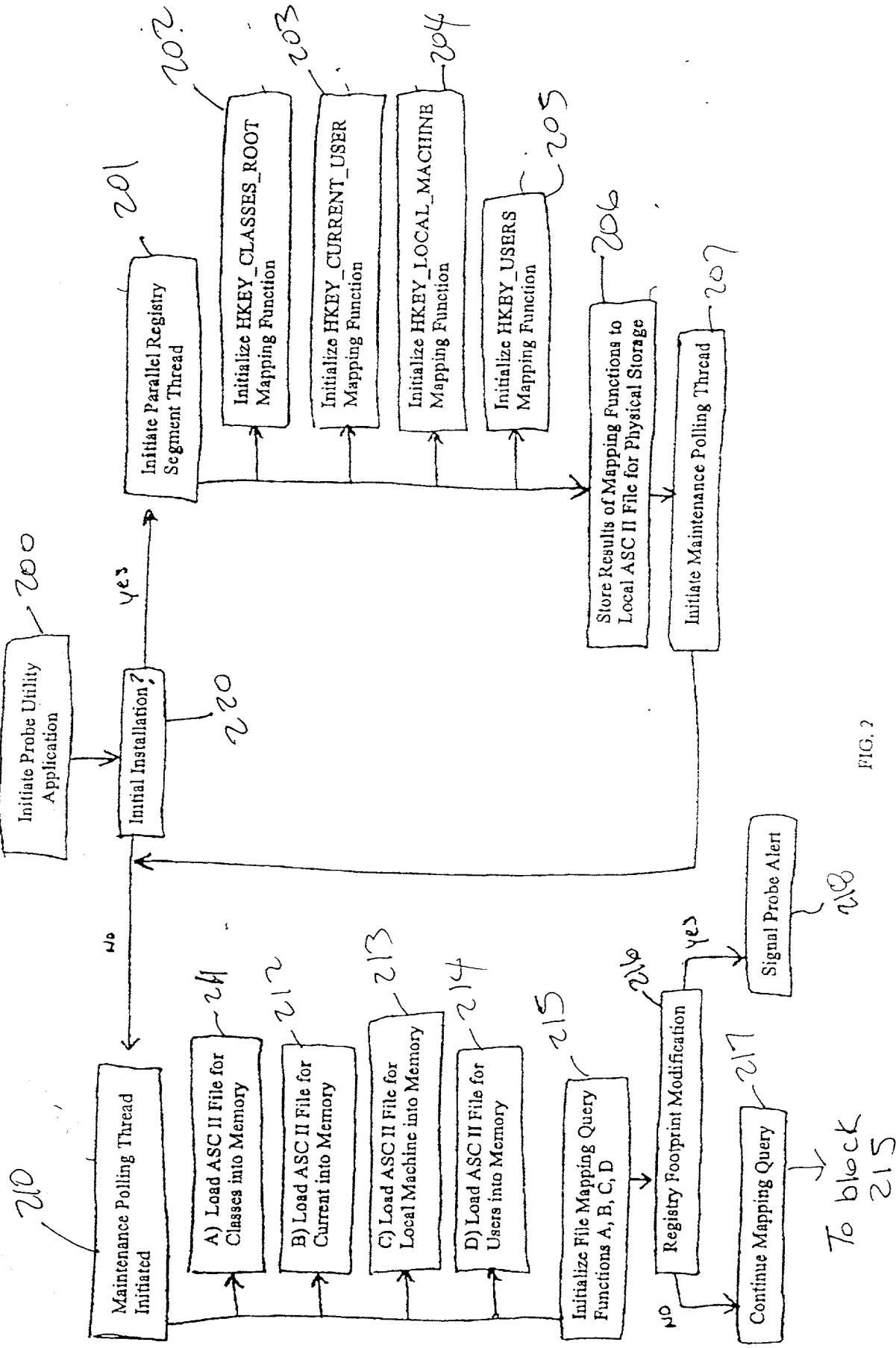


FIG. 2

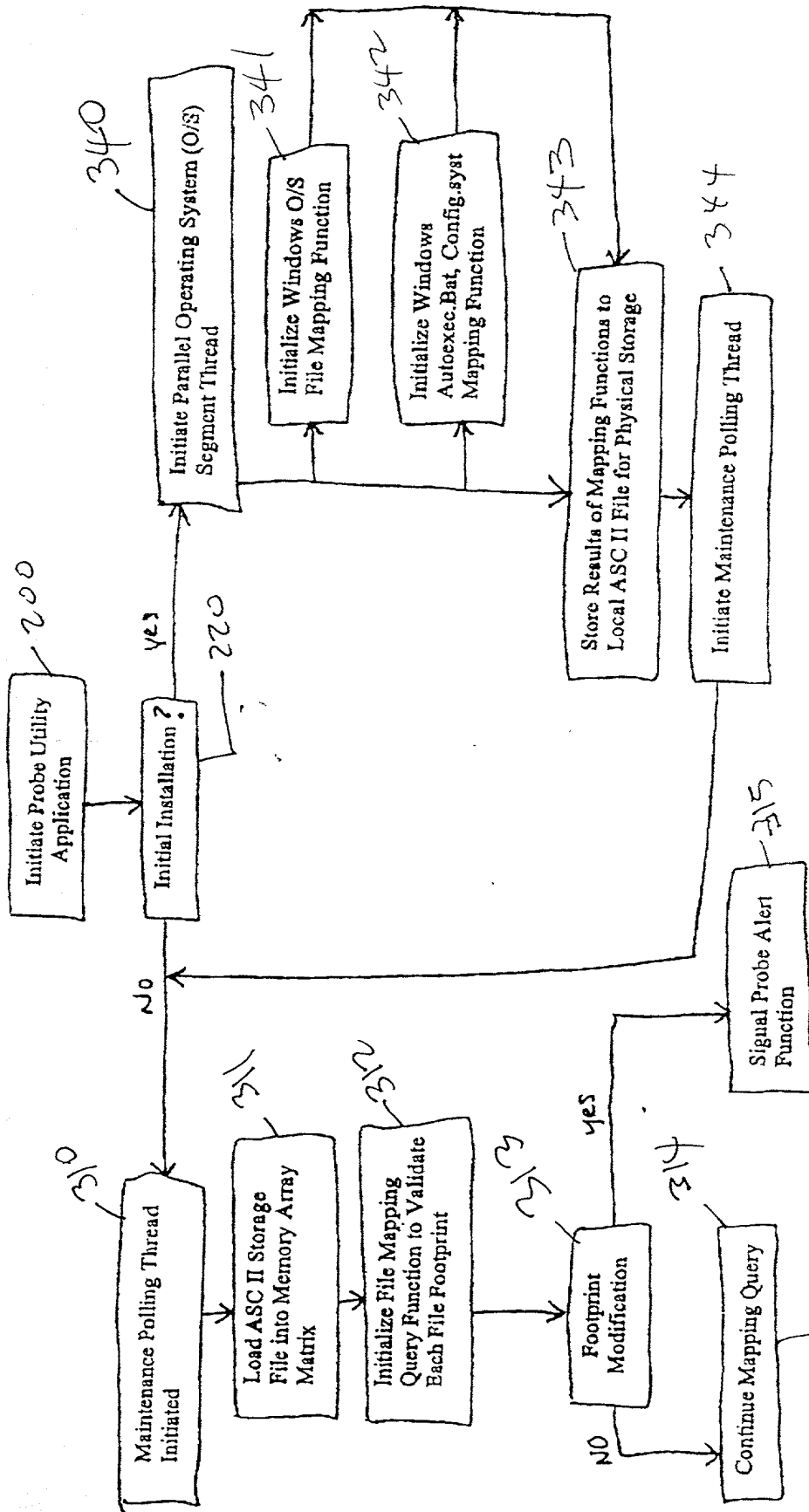


FIG. 3

FIG. 4 is a flowchart illustrating a process for initializing a probe utility application and managing file mapping functions. The process begins with the 'Initiate Probe Utility Application' block (200), which leads to the 'Initial Installation?' decision block (200). If the answer is 'yes', the process proceeds to the 'Initiate Parallel Third Party Segment Thread' block (440). If the answer is 'no', the process proceeds to the 'Maintenance Polling Thread Initiated' block (410). The 'Initiate Parallel Third Party Segment Thread' block (440) leads to the 'Initialize Windows "Third Party" "Start-up" File Mapping Function' block (441), which then leads to the 'Initialize All ".ini" Third Party File Mapping Function' block (442). Both 441 and 442 lead to the 'Store Results of Mapping Functions to Local ASC II File for Physical Storage' block (443). The 'Store Results of Mapping Functions to Local ASC II File for Physical Storage' block (443) leads to the 'Initiate Maintenance Polling Thread' block (444). The 'Initiate Maintenance Polling Thread' block (444) leads to the 'Signal Probe Alert Function' block (416). The 'Signal Probe Alert Function' block (416) leads to the 'Maintenance Polling Thread Initiated' block (410). The 'Maintenance Polling Thread Initiated' block (410) leads to the 'A) Load ASC II File for All "Start-up" Files' block (411), which then leads to the 'B) Load ASC II File into Memory for All ".ini" Files' block (412). Both 411 and 412 lead to the 'Initialize File Mapping Query Functions A, B' block (413). The 'Initialize File Mapping Query Functions A, B' block (413) leads to the 'Start-up footprint Modification' block (414). The 'Start-up footprint Modification' block (414) leads to the 'Continue Mapping Query' block (415). The 'Continue Mapping Query' block (415) leads to the 'To block' block (414). The 'Start-up footprint Modification' block (414) also leads to the 'Signal Probe Alert Function' block (416) if the answer is 'yes'. The 'Continue Mapping Query' block (415) leads to the 'To block' block (414) if the answer is 'no'.

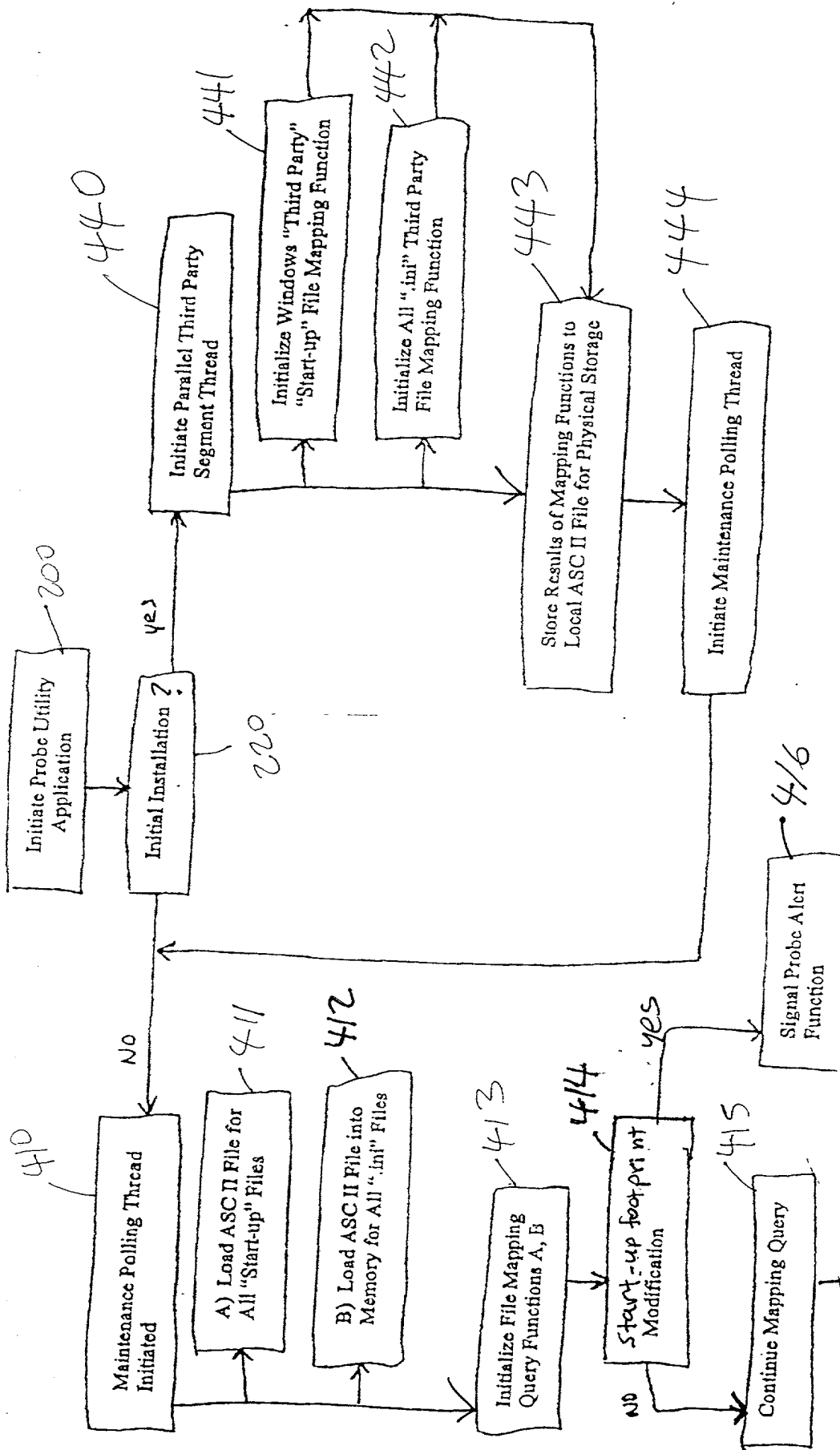


FIG. 4

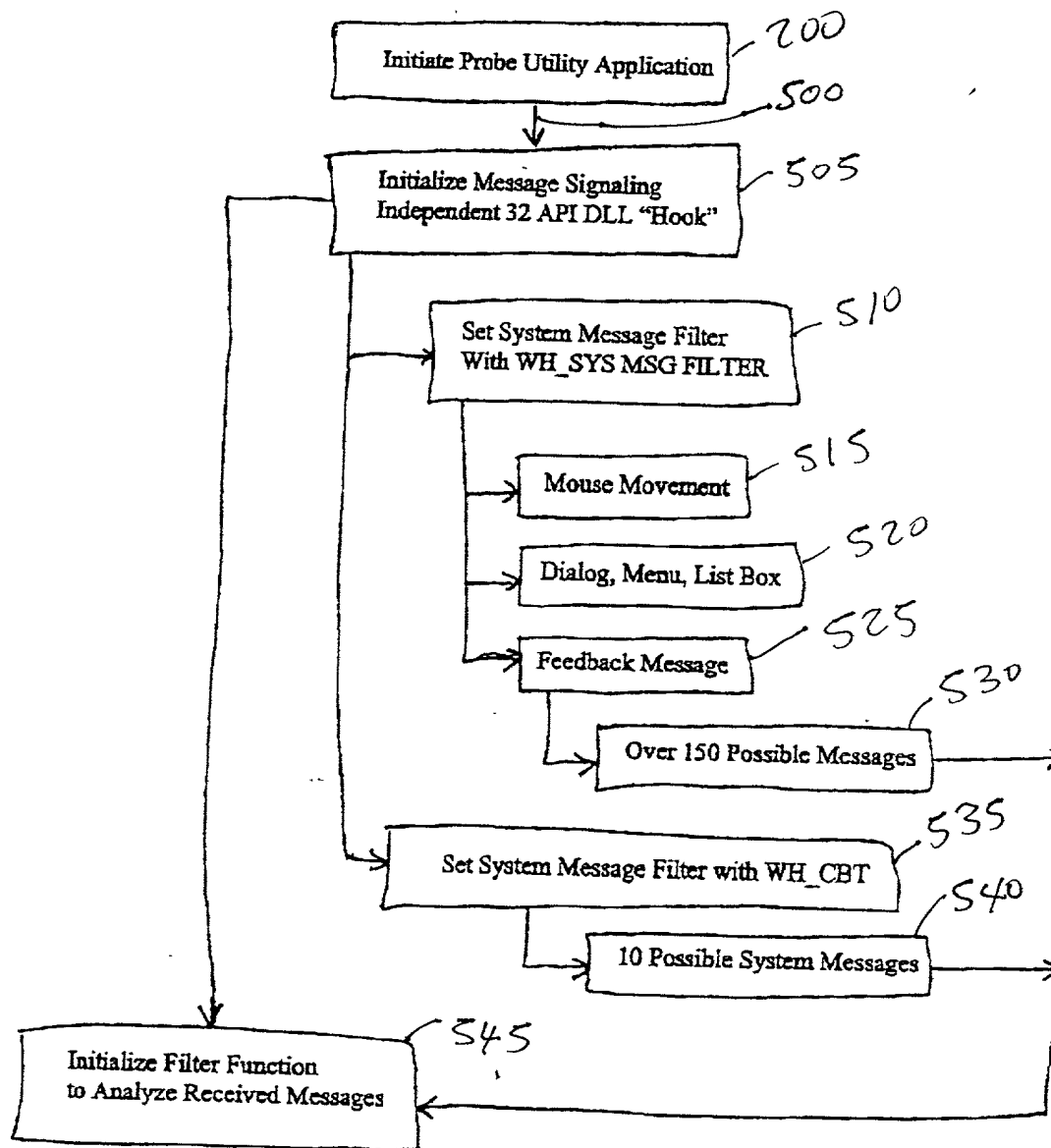


FIG. 5

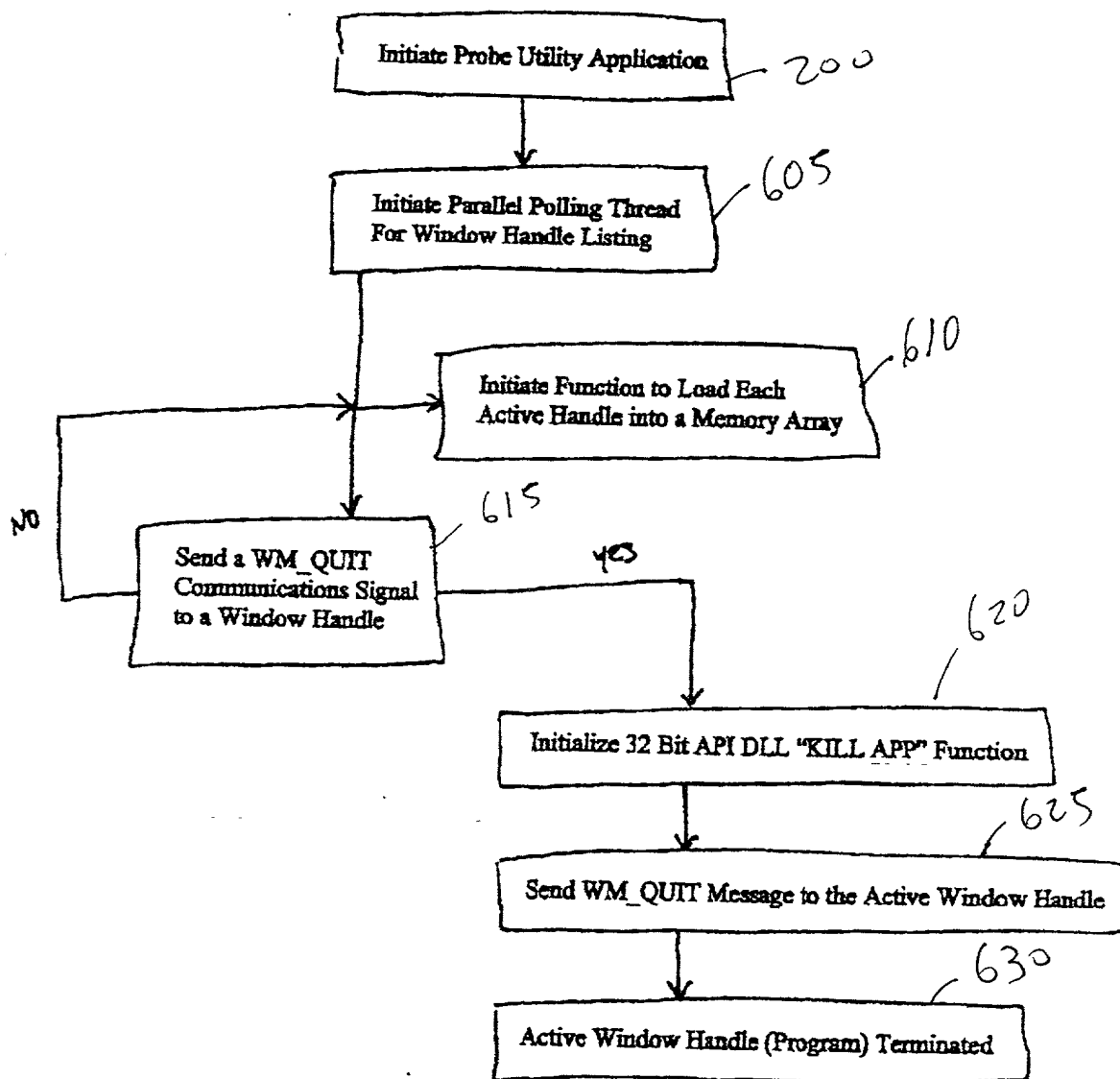


FIG. 6

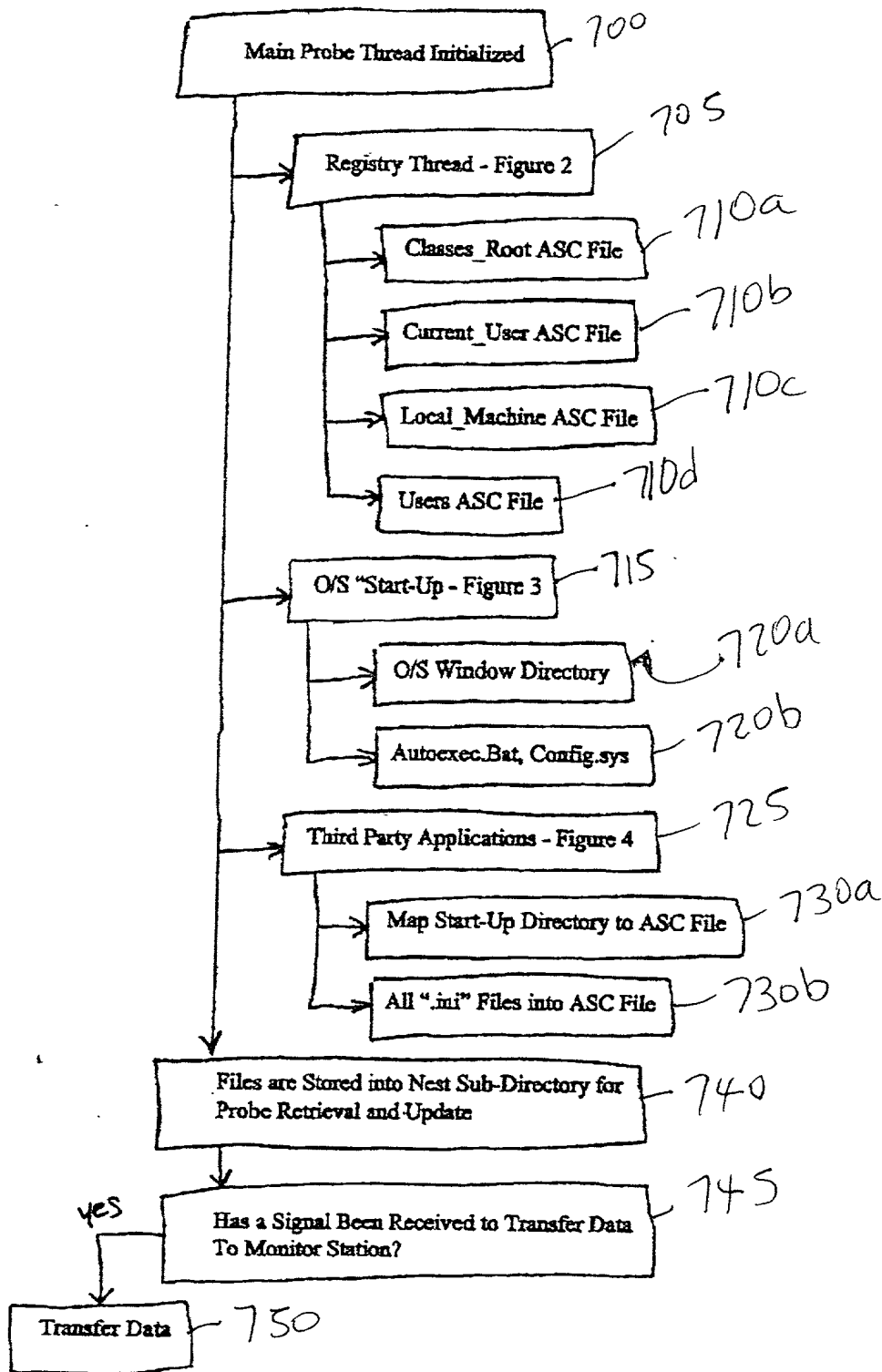


FIG. 7

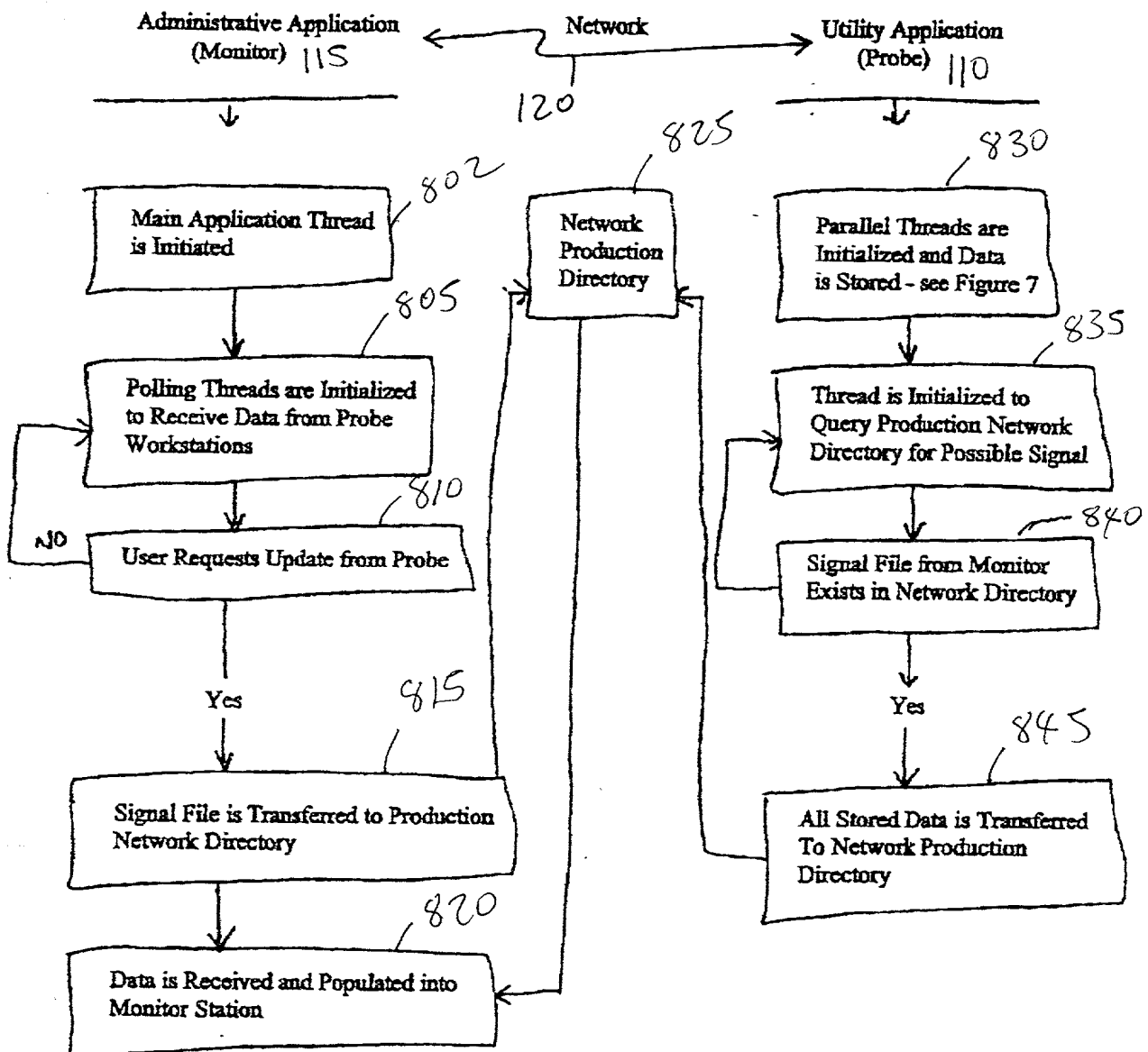


FIG. 8

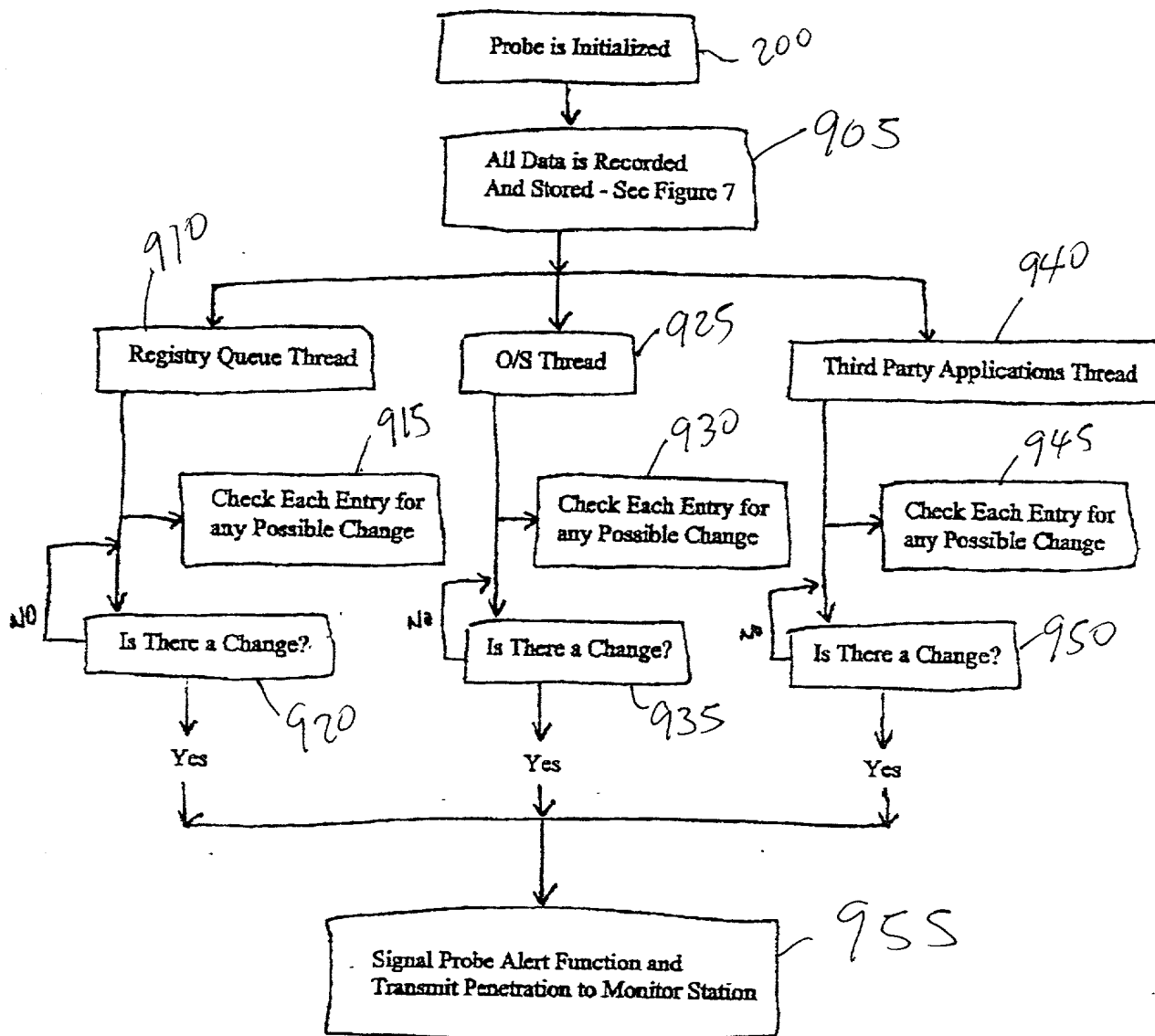


FIG. 9

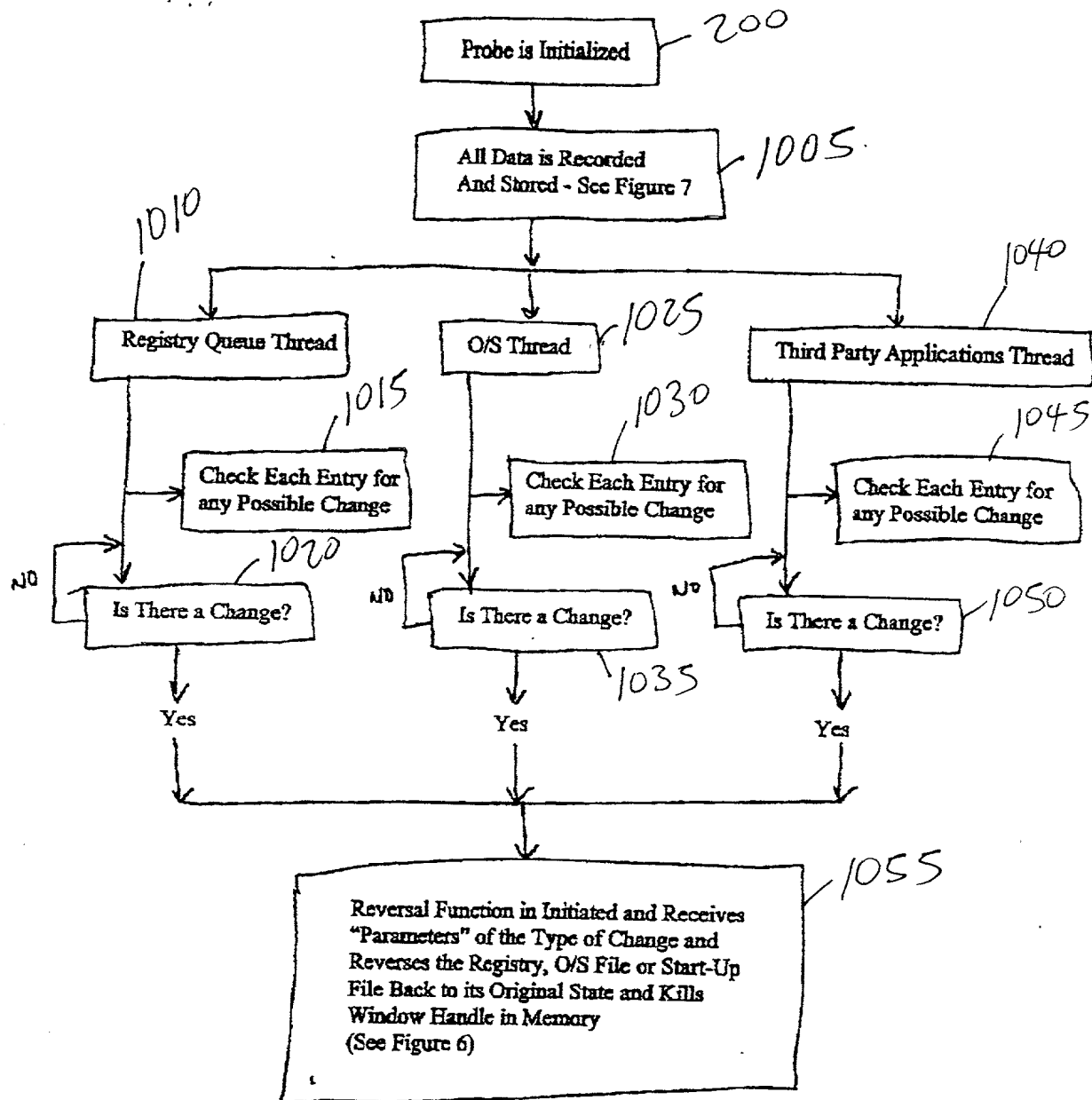


FIG. 10

1100
SOT[cr] [lf]

Date=CCYY\MM\DD[cr] [lf]

Time=HH:MM:SS[cr] [lf]

3Wind=Variable Up To 500 Characters[cr] [lf]

2Wind=Variable Up To 500 Characters[cr] [lf]

1Wind=Variable Up To 500 Characters[cr] [lf]

Mssg=Variable Up To 500 Characters[cr] [lf]

EOT[cr] [lf]

Structured Signal File Block Diagram

Figure 11

Figure 12

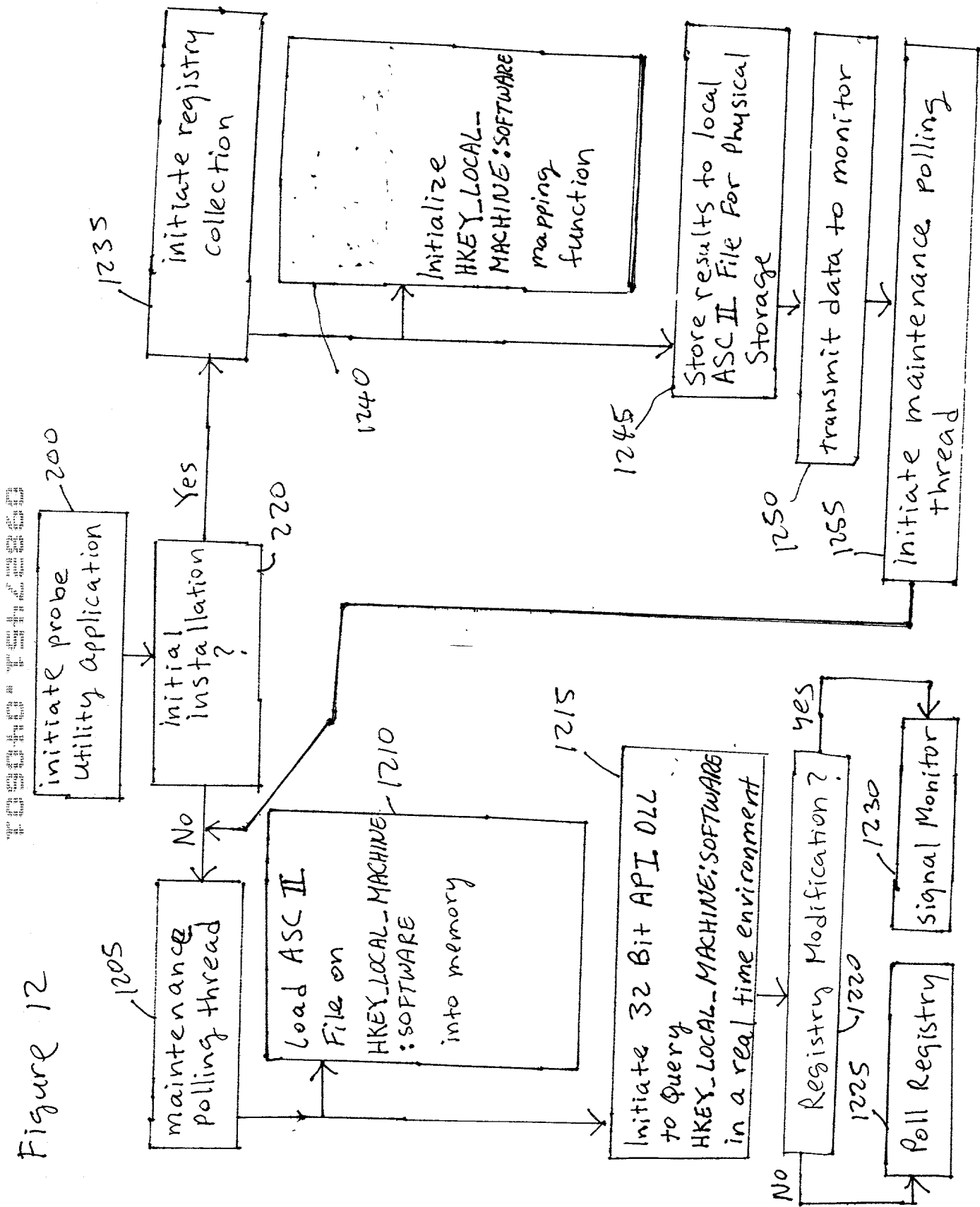


Figure 13

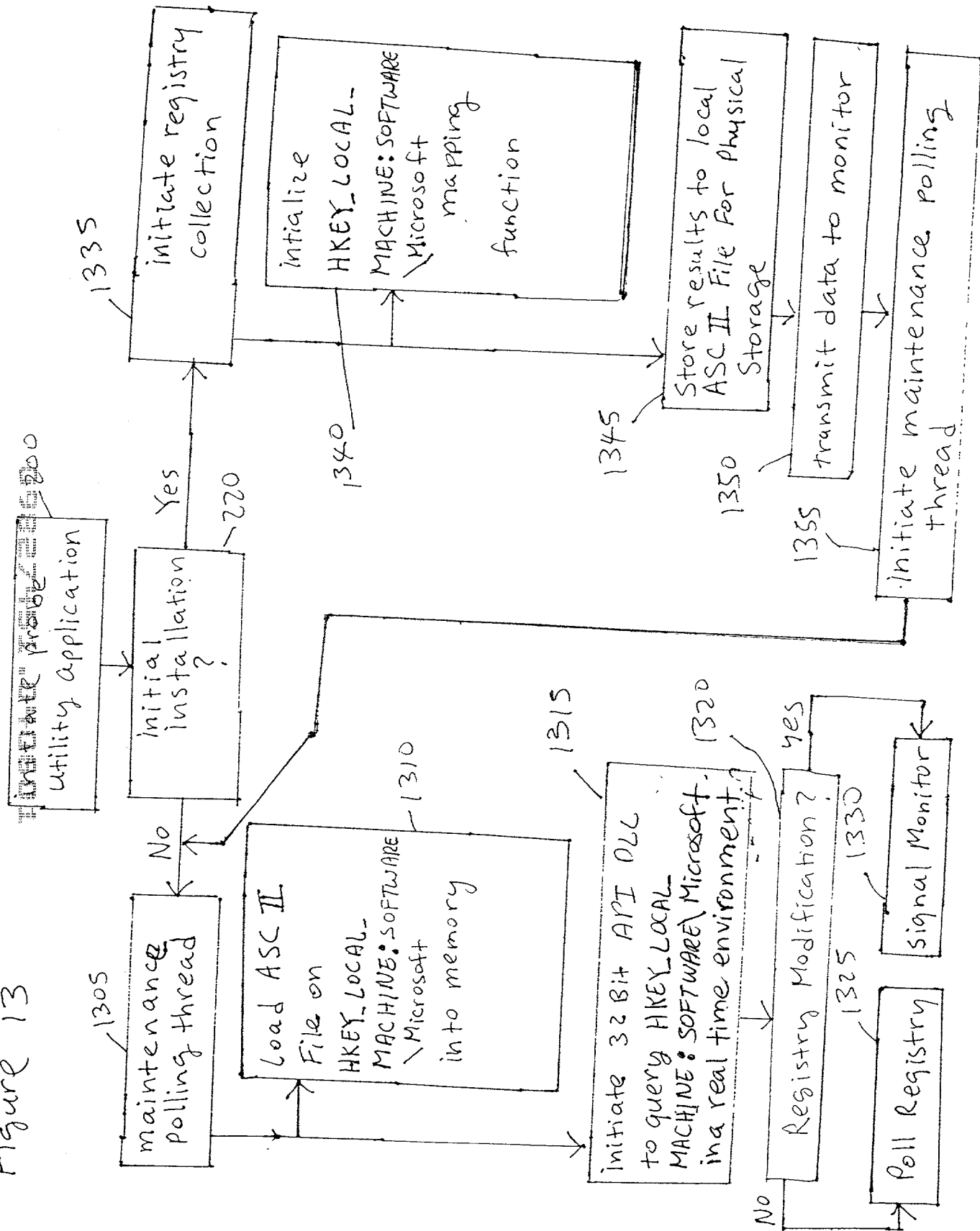


Figure 14

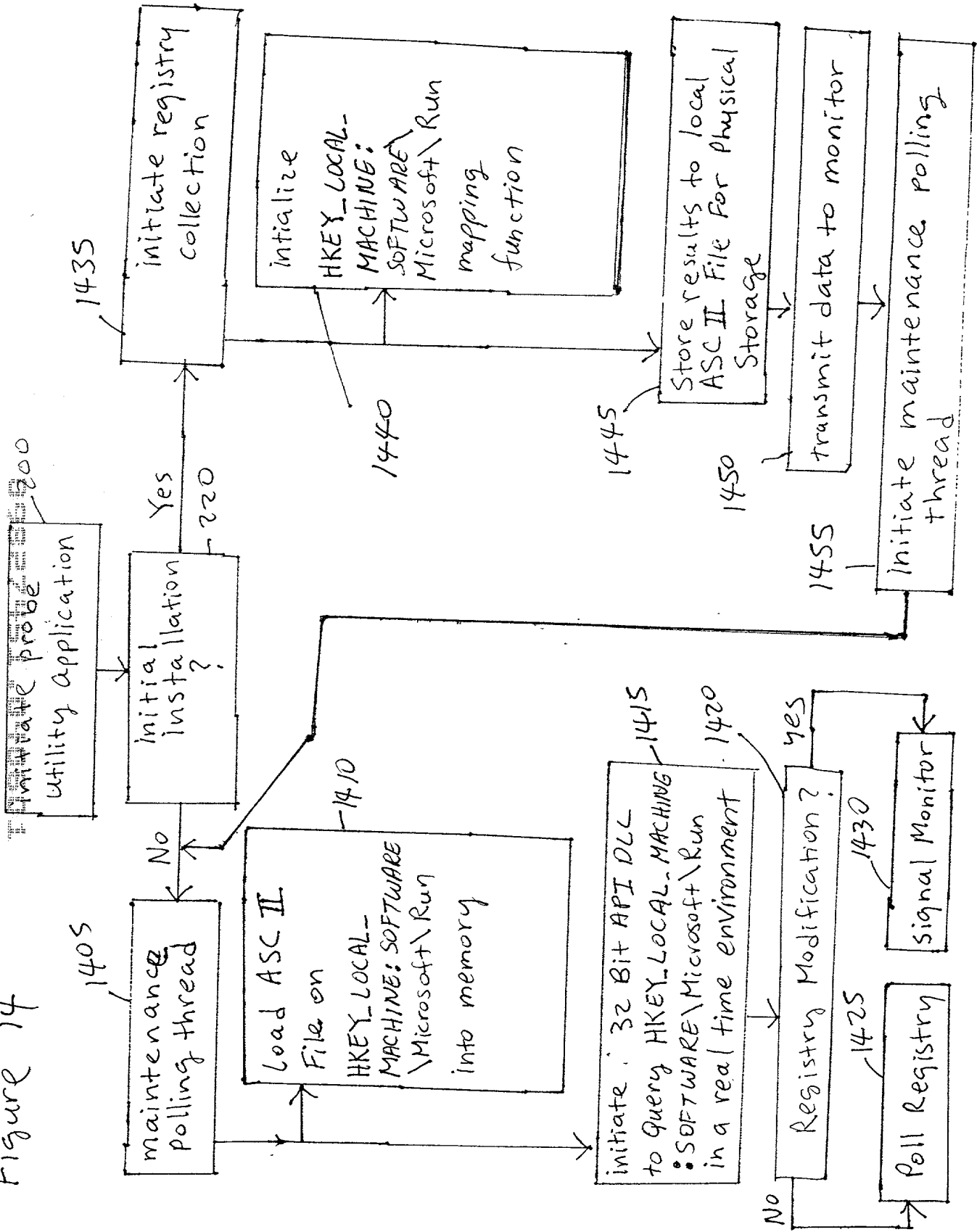


Figure 15

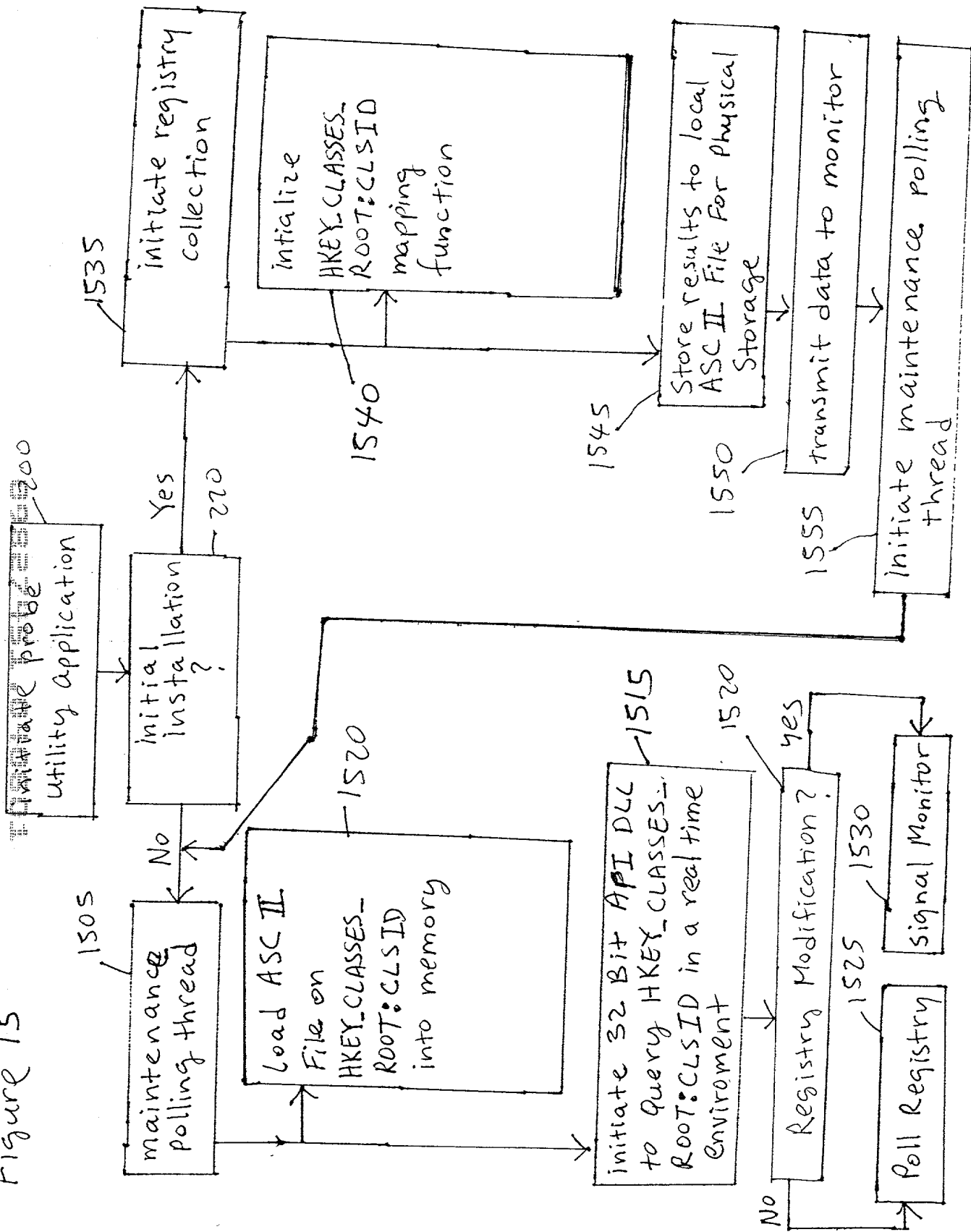


Figure 16

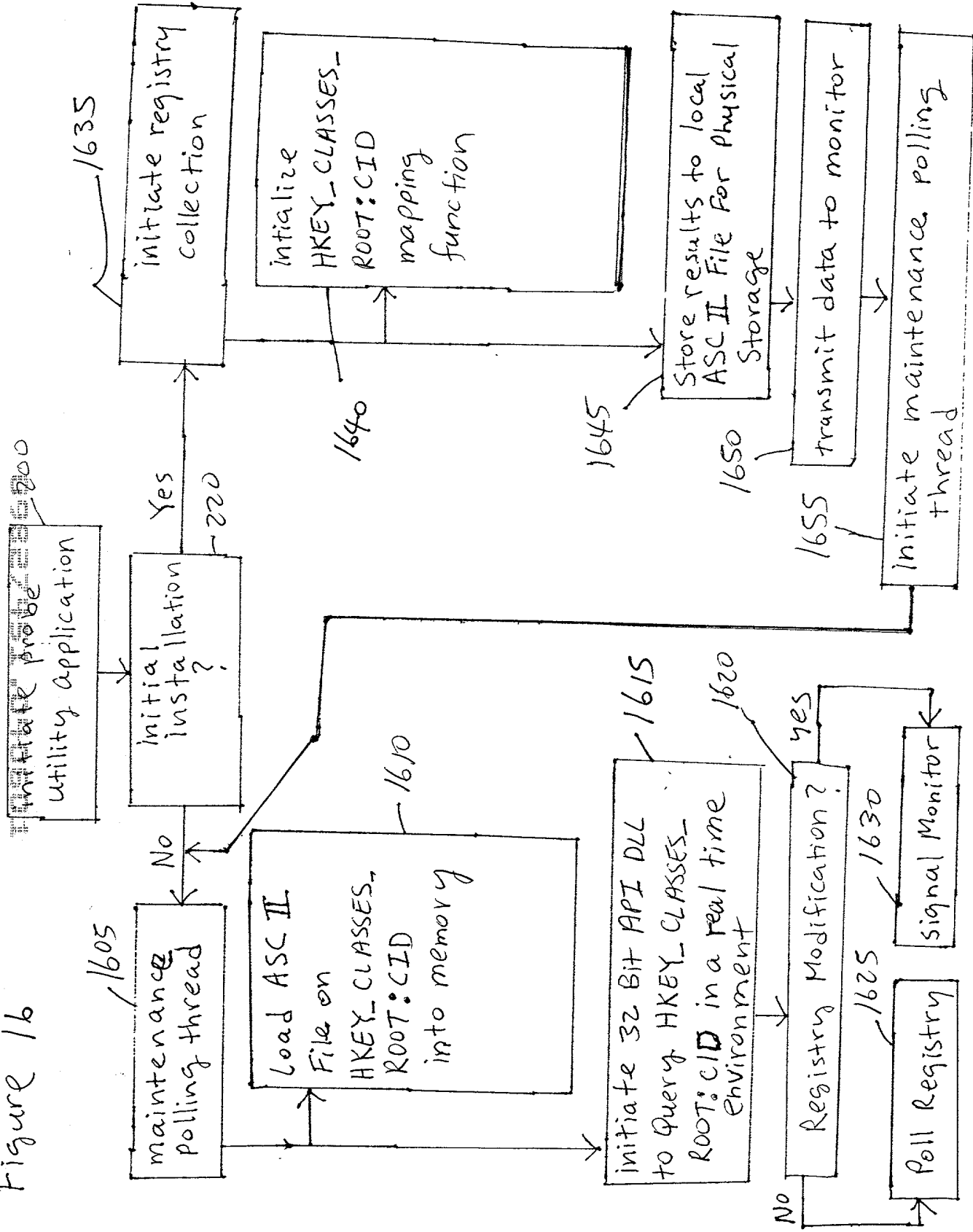


Figure 17

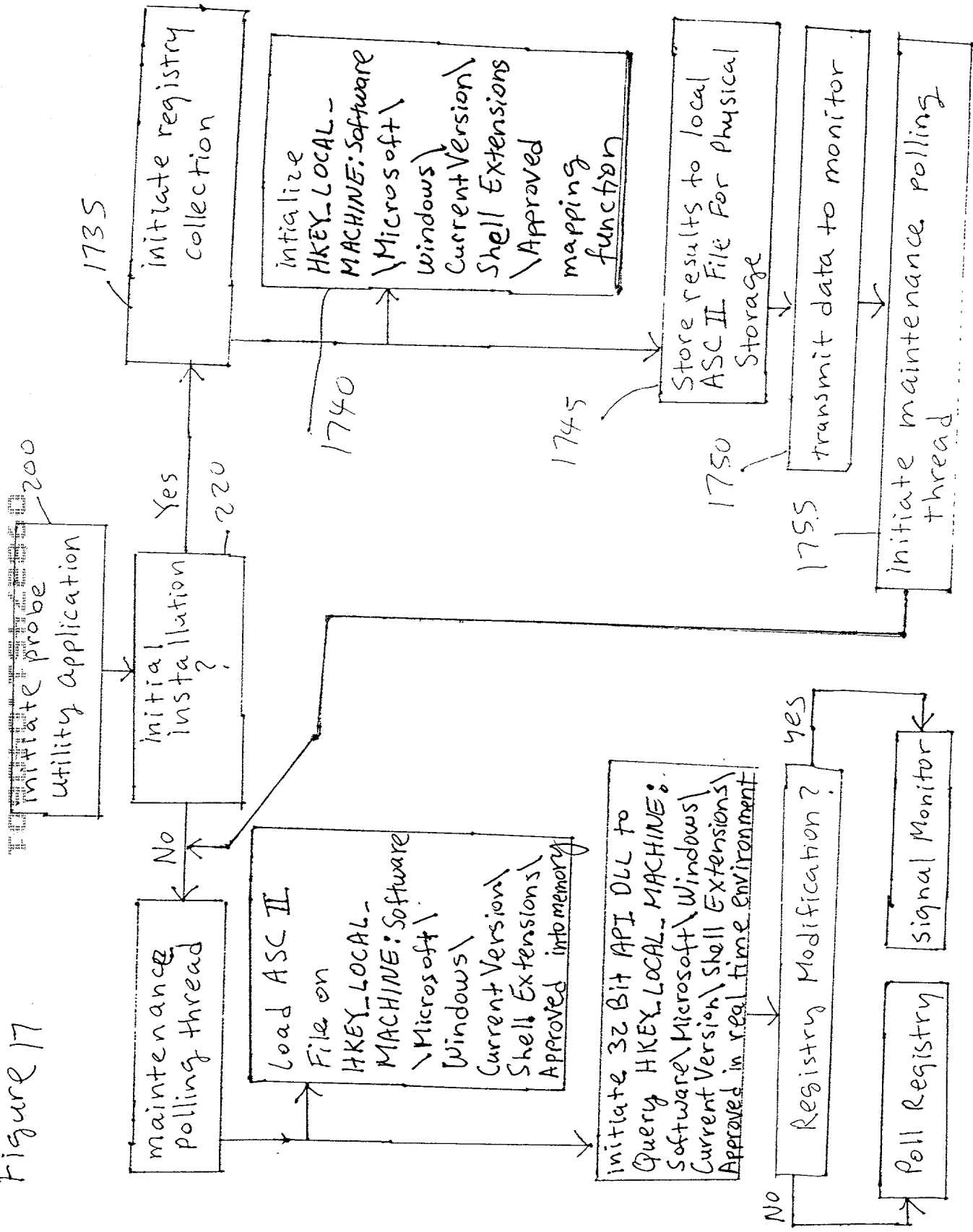


Figure 18

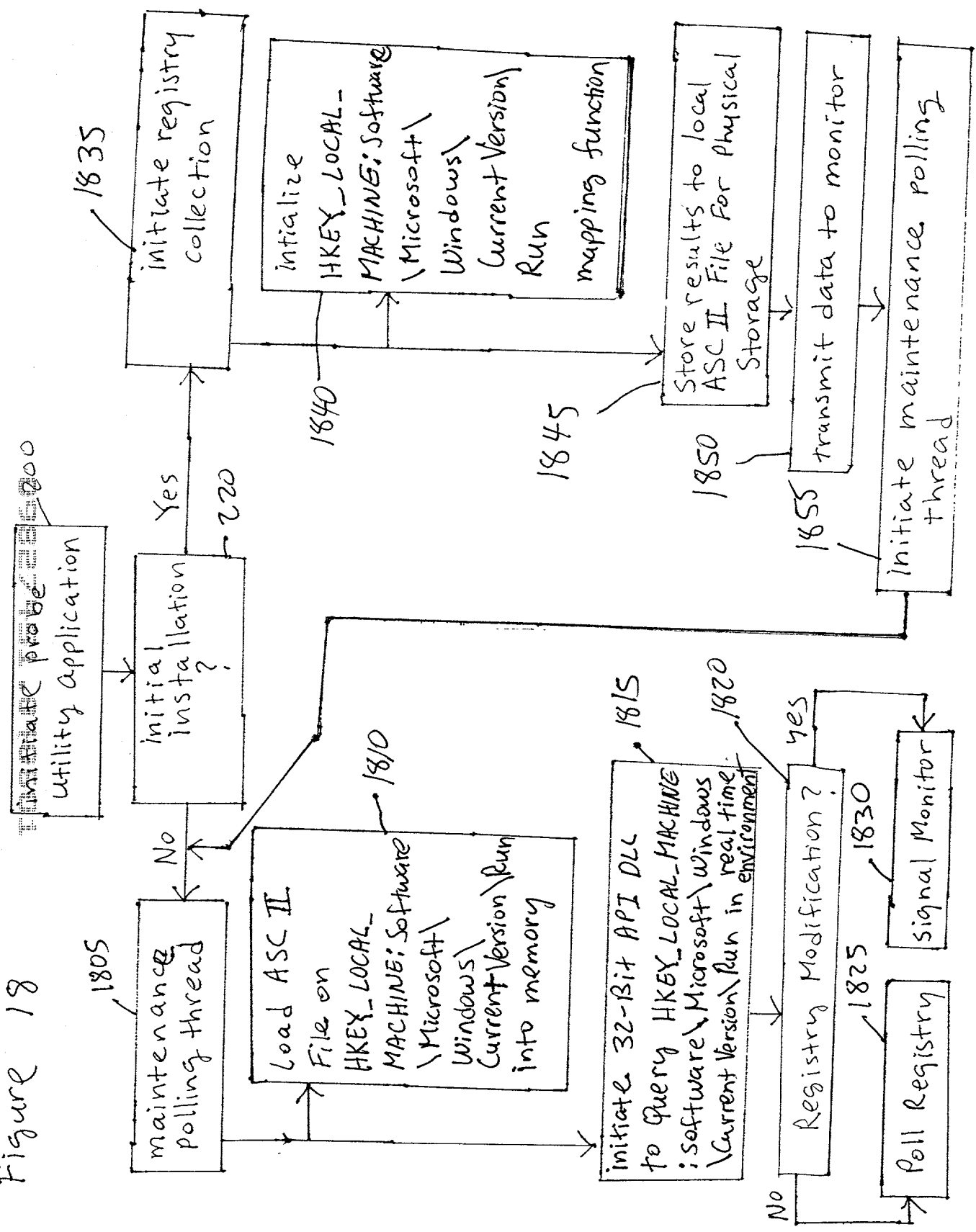


Figure 19

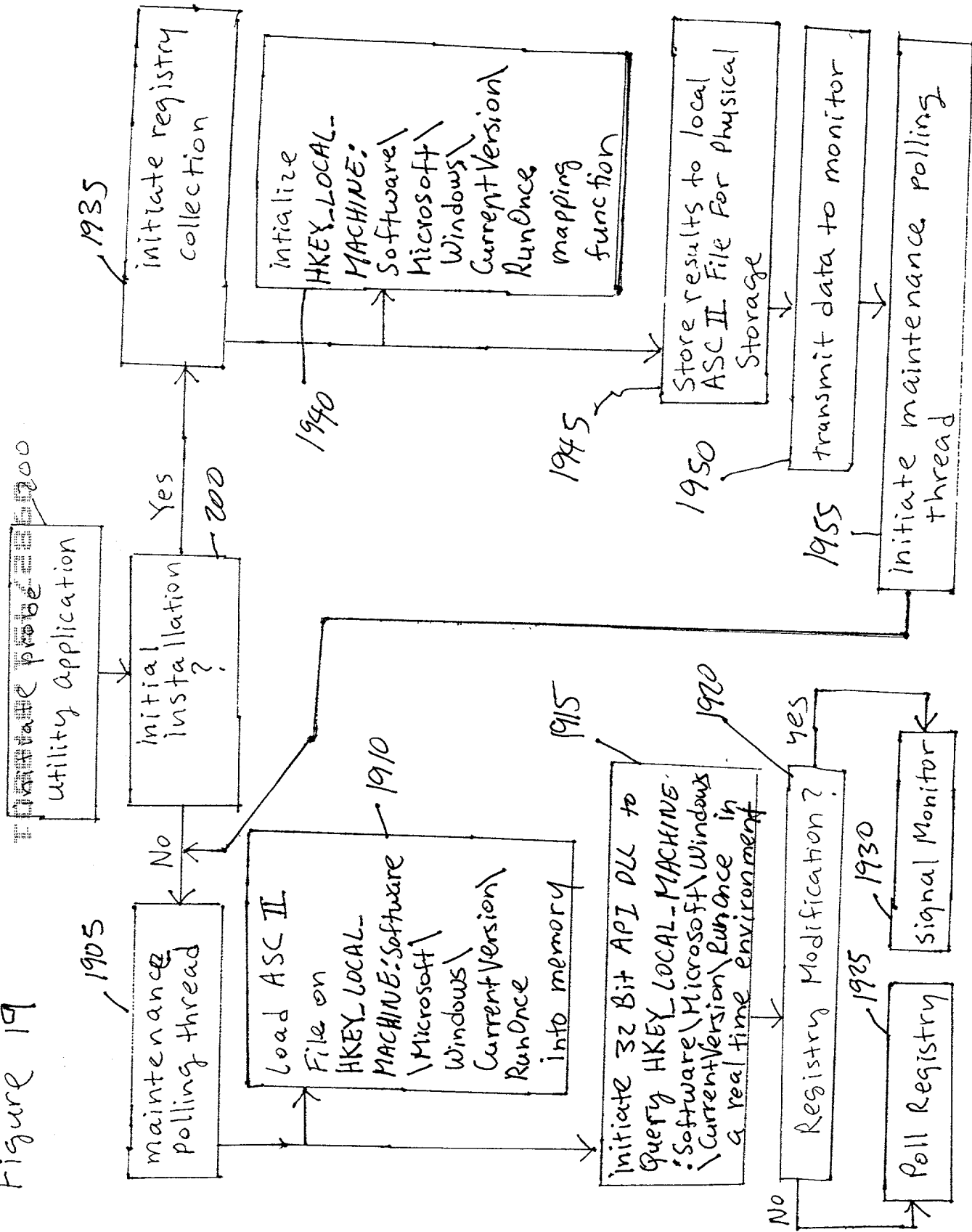


Figure 20

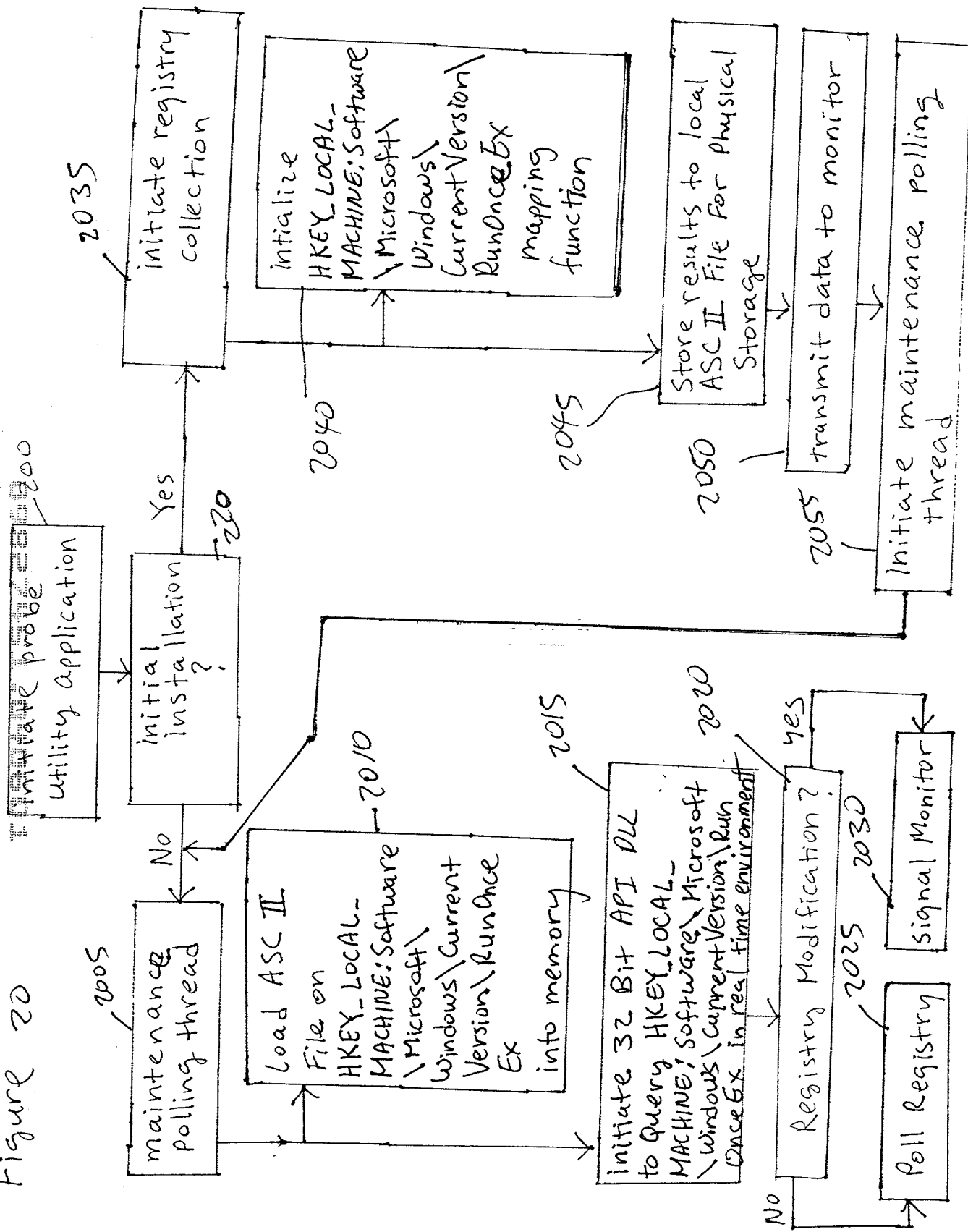
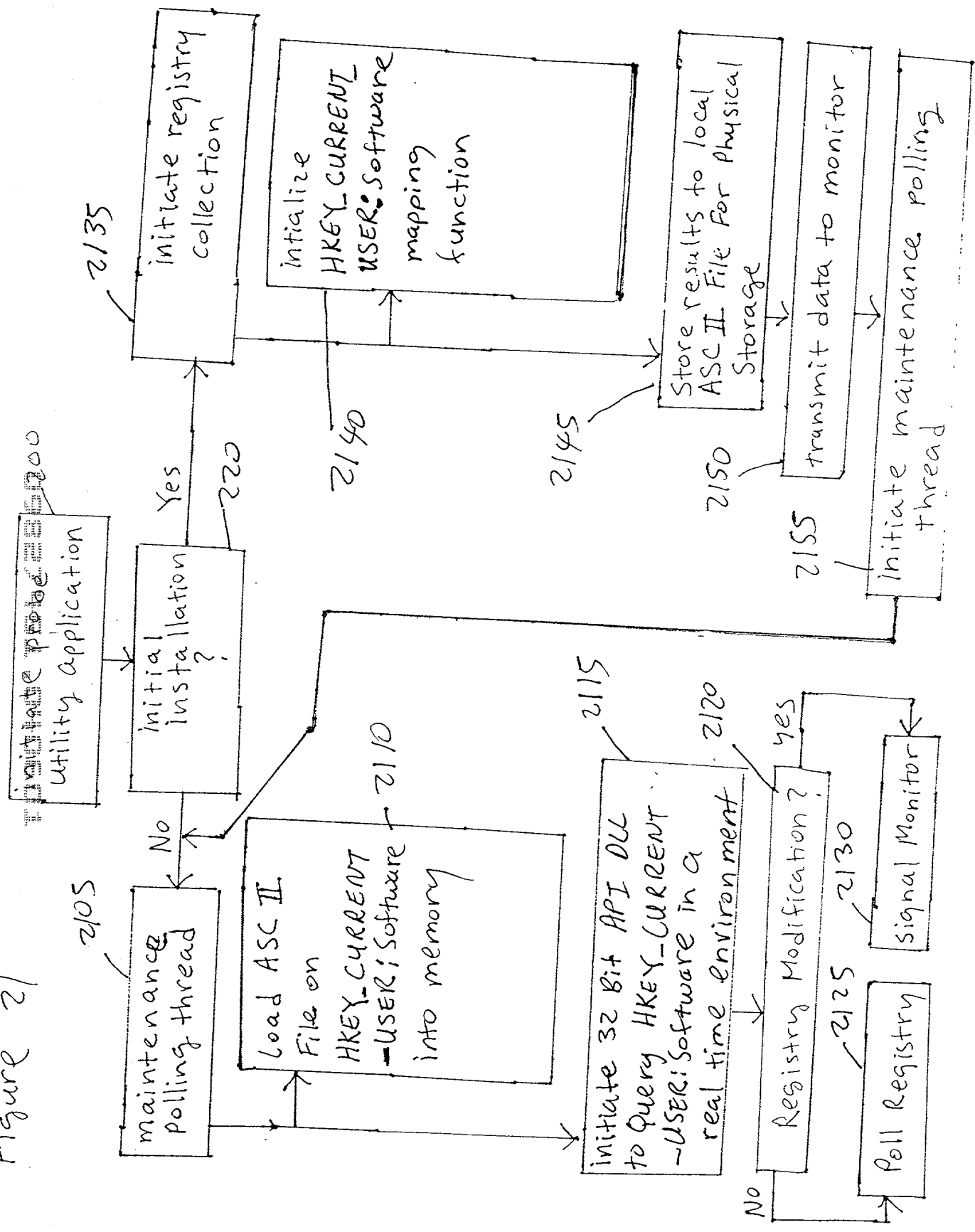
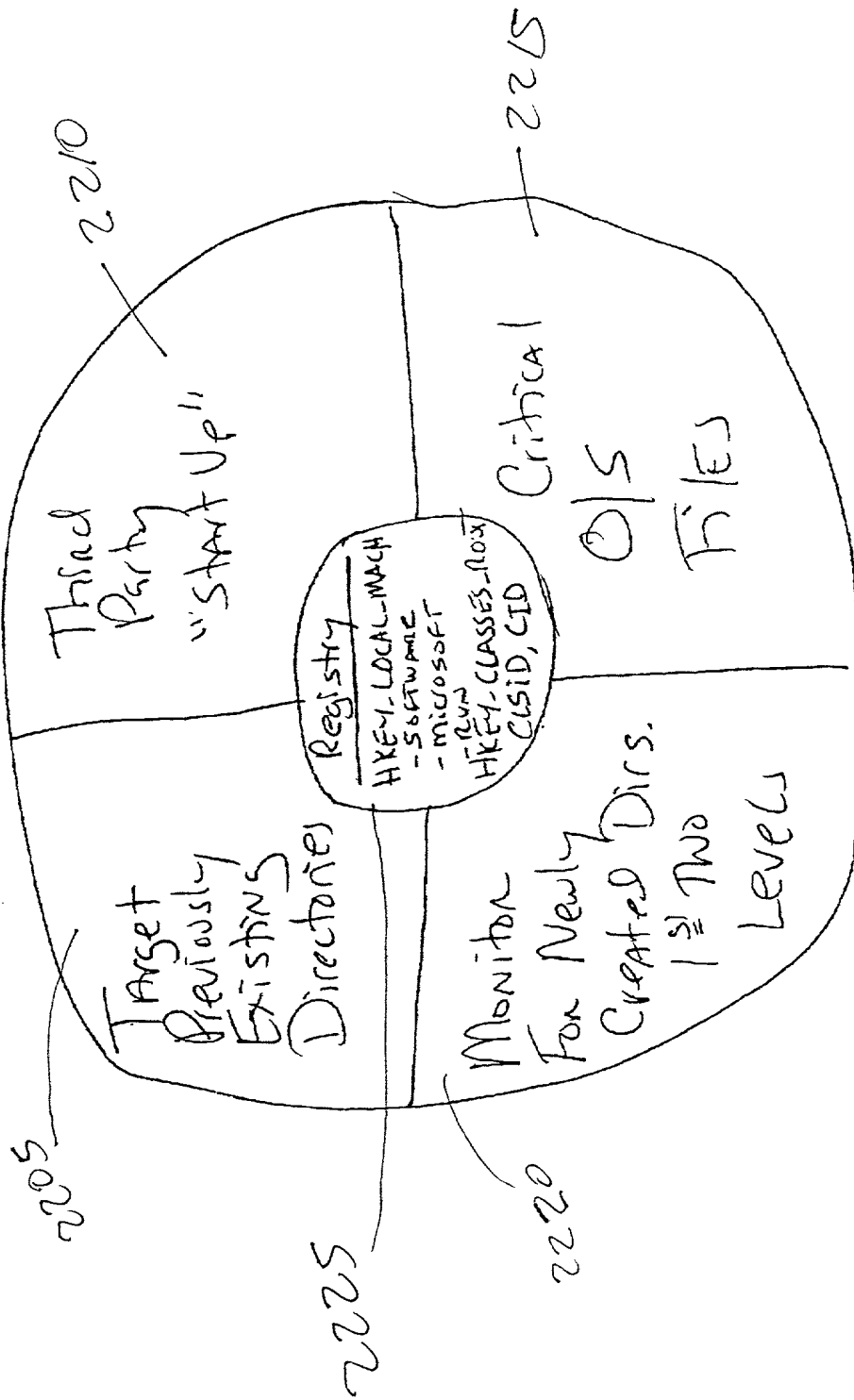


Figure 21



GTI "Defense Umbrella"



"Guarded State" of the Complete PC
Figure 22.11

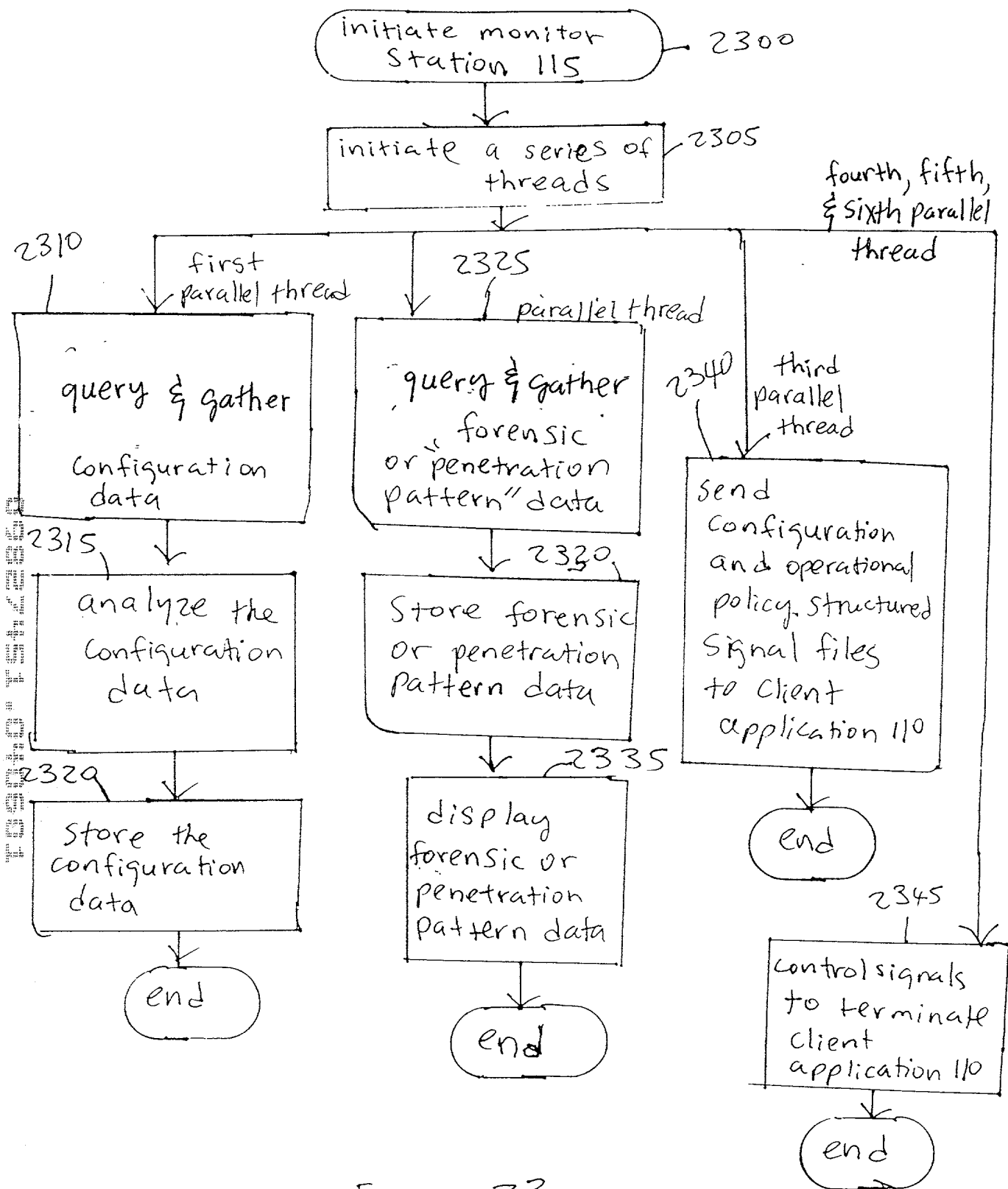


Figure 23

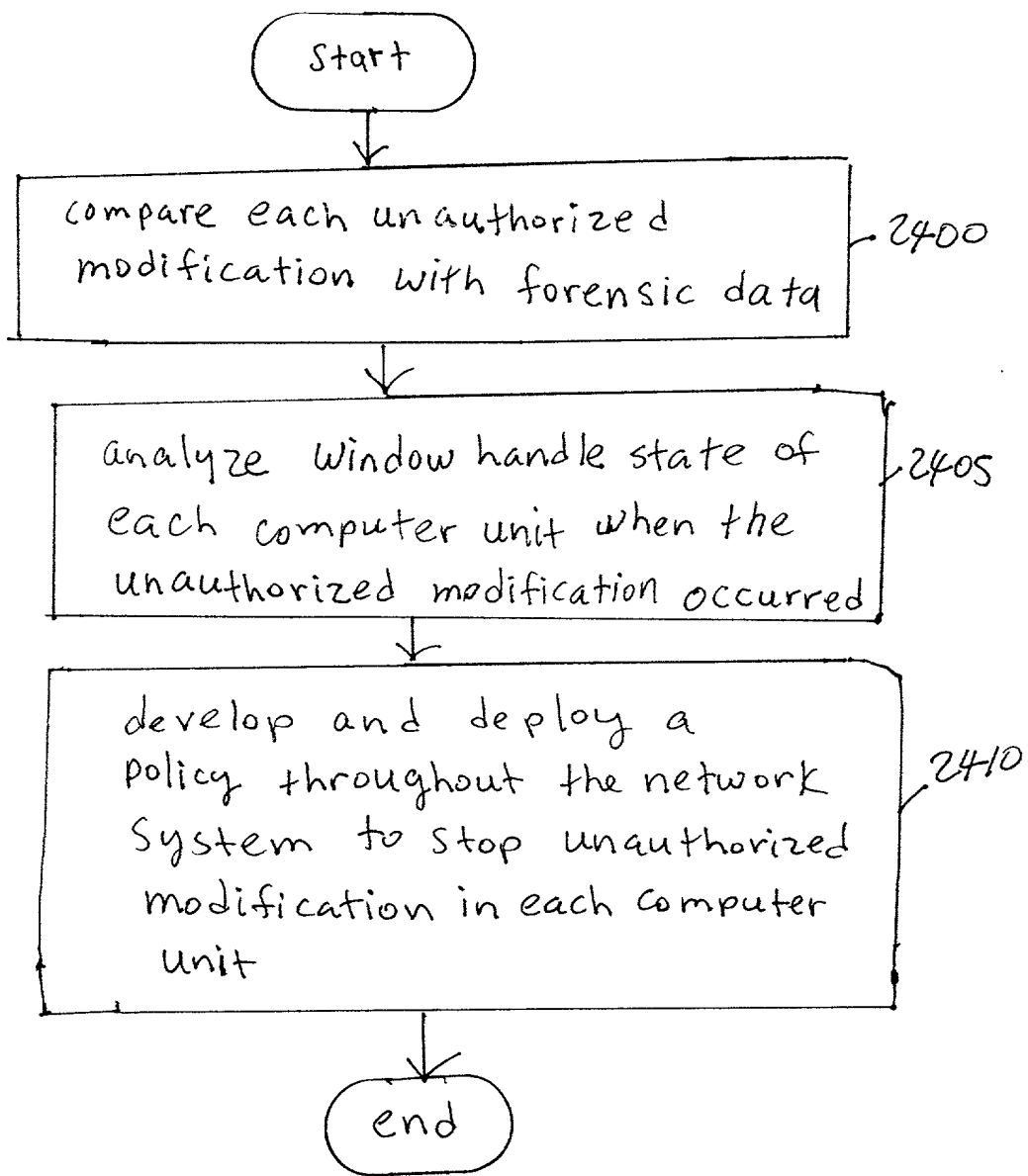


Figure 24